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AW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

0/605,708

Source:

Date Processed by STIC:

3/25/04~

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

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TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1 EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria; VA 22312-1459
- Hand Carry directly to (EFFECTIVE 12/0\03):
 U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1803, Crystal Plaza Two.
 2011 South Clark Place, Arlington, VA 22202
- 4 Federal Express, United Parcel Service, or-other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1803-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 10/605708
ATTN: NEW RULES CASES	: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2lavalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
SVariable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6Patentin 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped
:	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 0@01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
2Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of Patentin version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
3 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - Biotechnology Systems Branch - 09/09/2003





RAW SEQUENCE LISTING DATE: 03/25/2004 PATENT APPLICATION: US/10/605,708 TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt

1 <110> APPLICANT: GONG, Zhiyuan LAM, Toong Jin JU, Bensheng · XU, Yanfei HE, Jiangyan

ile://C:\CRF4\Outhold\VsrJ605708.htm

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YAN, Tie
      8 <120> TITLE OF INVENTION: CHIMERIC GENE CONSTRUCTS FOR GENERATION OF
              FLUORESCENT TRANSGENIC ORNAMENTAL FISH
     11 <130> FILE REFERENCE: 1781-0163P
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CF/> 14 <141> CURRENT FILING DATE: 2003-10-21
    17 <160> NUMBER OF SEQ ID NOS: 24
     19 <170> SOFTWARE: PatentIn Ver. 2.0
                                                          Does Not Comply
ERRORED SEQUENCES
                                                          Corrected Diskette Needed
     21 <210> SEQ ID NO: 1
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                                                                            113
    47
                                    Met Ser Thr Arg Ser Ile Ser Tyr
    48
                                                          K please see item #

3 on error summary

sheet.
    50 tcc age ggt ggc tcc atc agg agg ggc tac acc agc cag tca gcc tat
    51 Ser Ser Gly Gly Ser Ile Arg Arg Gly Tyr Thy Ser Gln Ser Ala Tyr
I--> 52
            10
                                                30 20
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,708

DATE: 03/25/2004 TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt

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										Met								
· - >		25				_	30					35	•				4Ó	
	58	aga	tct	ggt	gtg	ggt	gcc	agc	cca	ggc	ttc	ggt	gcc	ggt	ggc	agc	tac	257
										Gly								
·->	60	_		_		. 45					50	_			_	55	-	
	. 62	agc	ttt	agc	agc	agc	agc	atg	ggt	gga	ggc	tat	gga	agt	ggt	ctt	ggt	305
										GLY								
										Ctt.								353
										Phe								-
·->	67		-	75	, -	_	-		80		-	-	-	85				
	69	gct	gta	act	gtc	aac	cag	aac	ctg	ttg	gcc	ccc	tta	aac	ctg	gaa	atc	401
•	70	Ala	Val	Thr	Val	Asn	Gln	Asn	Leu	Leu	Ala	Pro	Leu	Asn	Leu	Glu	Ile	
· ->	71		90			•	,	95					100				<u> </u>	
·->	73	gac	ccc	aca	att	caa	de E	gtc	cgc	act	tca	gag	aaa	gag	cag	att	aag	449
										Thr								
·->	75	105	1				110	نم	L ov	Alid		115	الهبد	ltie	otic	LL.	120	
· ->	77	acc	ttc	aac	aac	cgc	ttċ			ctc								497
	78	Thr	Phe	Asn	Asn	Arg	Phe	Ala	Phe	Leu	Ile	Asp	Lys	Val	Arg	Phe	Leu	
· - >	79			•		125					130	•		•	٠	135		
	81	gaa	cag	cag	aac	aag	atg	ctt	gag	acc	aaa	tgg	agt	ctt	ctc	caa	gaa	545
																	Glu	
·>	83			•	140			.*	٠.	145	•	•	-	-	15Ò	•	-	• •
	85	cag	aca'	acc	aca	cgt	tcc	aac	atc	gat	gcc	atg	ttt	gag	gca	tac	atc	593
	8.6	Gln	Thr	Thr	Thr	Arg	Ser	Asn	Ile	Asp	Ala	Met	Phe	Glu	Ala	Tyr	Ile	
· ->	87			155	-	•	•	•	160	•	•			165				
										gga,								641
	90	Ser	Asn.	Leu	Arg	Arg	Gln	Leu	Asp	Gly	Leu	Gly	Asn	Glu	Lys	Met	Lys	
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	94	Leu	Glu	Gly	Glu	Leu	Lys	Asn	Met	Gln								
		185		7.			190	,	_	•			SA					
·->										aag								737
	98	Asn	Lys	Tyr	Glu	Asp	Glu	Ile,	Asn	Lys	Arg	Ala	Ser	Val	Glu	Asn	Glu	•
·->						205					210					215		
																	gtt	785
			val	Let		_	Lys	: Asp	Val								val	
·->			١		220							_						
>																	ctc	· 833
			ı Leu			Lys	: Val	. Asp								Phe	Leu	
·->				235		_			240		-Sau							
>	109	agg	gca	gto	tac	gag	rge∰t	: gaa	cto	: cgg	gag	cto	: cag	tct	: cag	ato	aag.	881
					Tyr	Glu	Ala			Arg	Glu	Leu			Gln	lle	: Lys	,
·->			250		•			255					260					_ = =
																	atg	929
		-		Ser	Val	. Val			Met	Asp	Asn						Met	
		265				· 65	270			7	\						280	
																	aac	977
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DATE: 03/25/2004

TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt Output Set: N:\CRF4\03252004\J605708.raw -> 119 285 290 121 cgc agc cgt gcc gag gca gag agc tgg tac aaa cag aag ttt gag gag 122 Arg Ser Arg Ala Glu Ala Glu Ser Trp Tyr Lys Gln Lys Phe Glu Glu.
-> 123 300 300 SANN CYNM 305 305 320 370
-> 125 atg cag agc acc get ggt cag tat ggt gat gac ctc cgc tca aca aag 1073 126 Met Gln Ser Thr Ala Gly Gln Tyr Gly Asp Asp Leu Arg Ser Thr Lys
-> 127
-> 129 gct gag att gat gaa ctc aac egc atg atc gcc cgc ctg cag aac gag -> 130 Ala Glu Ile Ala Glu Leu Asn Arg Met Ile Ala Arg Leu Gin Asn Glu -> 131 320 530 340 340 340 -> 133 atc gat get gtc aag gca cag cgt gcc aac ttg gag get cag att get -> 134 Ile Asp Ala Val Lys Ala Gin Arg Ala Asn Leu Glu Ala Gin Ile Ala -> 135 345 JV Aluc Kofill 350 355 355 356 -> 137 gag gét gaa gag cgt gga gag ctg gca gtg aag gat gcc aag ctc egc 138 Glu Ala Glu Glu Arg Gly Glu Leu Ala Val Lys Asp Ala Lys Leu Arg
139 360 375 375 -> 139 360 375371 -> 141 atc agg gag ctg gag gaa get ctt cag agg gcc aag caa gac atg gcc
-> 142 Ile Arg Glu Leu Glu Glu Ala Leu Glr Arg Ala Lys Gin Asp Met Ala
-> 143 360 360 365 365 360 370
-> 145 cgc cag gtc cgc gag tac cag gag ctc atg aac gtc aaa ttg Get ctg
146 Arg Gln Val Arg Glu Tyr Gln Glr Leu Met Asn Val Lys Leu Ala Leu
-> 147 395 375 400 400 405 705 1265 1313 149 gac att gag atc gcc acc tac agg aaa ctg ttg gaa gga gag gag agc 1361 150 Asp Ile Glu Ile Ala Thr Tyr Arg Lys Leu Leu Glu Gly Glu Glu Ser 436450 425 4/5 -> 151 470 410 -> 153 aga ctg tec age ggt gga get caa get acc att cat gtt eag 1409 -> 154 Arg Leu Ser Ser Gly Gly Ala Gin Ala Thr Ile His Val Gin Gin Thr -> 155 425 425 425 425 157 tec gga ggt gtt tea tet ggt tat ggt ggt age gge tet ggt tte gge 1457 -> 159 4Y() 1505 162 Tyr Ser Ser Gly Phe Ser Ser Gly Gly Ser Gly Tyr Gly Ser Gly 163 460 460 470 470 165 gga ttc ggt tct gga tca ggg tat ggt gga ggc tcc atc agc aaa acc 166 Gly Phe Gly Ser Gly Ser Gly Tyr Gly Gly Gly Ser Ile
167 475475 496770 489 475475 169 agt gtc acc acc gtc agc agt ada cgc tat taa ggagaagccc gcccaaaccc 1606 170 Ser Val Thr Thr Val Ser Ser Lys Arg Tyr 485 475 496 490 173 ccagccgaca cagtttccaa cetteettae etgeaactag atccettetg aacettetta 1666 175 cgactcaaac~catctatggt gctatatttt agccagacag ctgtcccctg ttaatgagga 1726 177 gatgtggacg atgattttta aagtacaaaa taagttttag attgttctgt gtgttgatgg 1786 179 tagttacccg tatcatgcat etcetgtetg gtggtgteac tgccatttta aatcatcaac 1846 181 ccaactacac taaaacgata ccaggaagaa tcgtgctcca agccactgaa tagtcttatt 1906 183 tetgeaetga tatgtacagg gaaagtgaga cacatagaaa ceaetgtaac etaegtagta 1966 ·185 ctatggtttc actggatcag gggtgtgcta tacaagttcc tgaatgtctt gtttgaatgt 2026 187 tttgtgctgt tacaagetee etgetgtagt tttgetgaet aatetgaett ttgteatttt 2086 189 gctatggetg teagagttgg tttacetatt ttetataaaa tgtatatgge agteageeaa 2146

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,708

RAW SEQUENCE LISTING DATE: 03/25/2004 PATENT APPLICATION: US/10/605,708 TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt

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 195 gtactttccg tgttggaagt ggtgactgta ctgccttaca cattcccctg tattcaactg 2326
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 219 Gly Phe Gly Ala Gly Gly Ser Tyr Ser Phe Ser Ser Ser Met Gly
 222 Gly Gly Tyr Gly Ser Gly Leu Gly Gly Leu Gly Gly Gly Met Gly
 223 65
 225 Phe Arg Cys Gly Leu Pro Ile Thr Ala Val Thr Val Asn Asn Leu Leu
 226
 228 Ala Pro Leu Asn Leu Glu Ile Asp Pro Thr Ile Ala Val Arg Thr Ser
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 231 Glu Lys Glu Gln Ile Lys Thr Phe Asn Asn Arg Phe Ala Phe Leu Ile
 232
             115
                                 120
 234 Asp Lys Val Arg Phe Leu Glu Asn Lys Met Leu Glu Thr Lys Trp Ser
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 237 Leu Leu Glu Thr Thr Thr Arg Ser Asn Ile Asp Ala Met Phe Glu Ala
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 240 Tyr Ile Ser Asn Leu Arg Arg Leu Asp Gly Leu Gly Asn Glu Lys Met
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 243 Lys Leu Glu Gly Glu Leu Lys Asn Met Gln Gly Leu Val Glu Asp Phe
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 246 Lys Asn Lys Tyr Glu Asp Glu Ile Asn Lys Arg Ala Ser Val Glu Asn
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 249 Glu Phe Val Leu Leu Lys Lys Asp Val Asp Ala Ala Tyr Met Asn Lys
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 252 Val Glu Leu Glu Ala Lys Val Asp Ala Leu Asp Glu Ile Asn Phe Leu
 253 225
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 255 Arg Ala Val Tyr Glu Ala Glu Leu Arg Glu Leu Gln Ser Ile Lys Asp
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                                                              255
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 261 Ser Ile Val Ala Glu Val Arg Ala Gln Tyr Glu Asp Ile Ala Asn Arg
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 264 Ser Arg Ala Glu Ala Glu Ser Trp Tyr Lys Lys Phe Glu Glu Met Gln
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RAW SEQUENCE LISTING

DATE: 03/25/2004 PATENT APPLICATION: US/10/605,708 TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt

Output Set: N:\CRF4\03252004\J605708.raw

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RAW SEQUENCE LISTING DATE: 03/25/2004
PATENT APPLICATION: US/10/605,708 TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt

Output Set: N:\CRF4\03252004\J605708.raw

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640 180 185 190
641 Gln Gln Val Tyr Asp Asn Gly Ser Val Tyr Ser Pro Glu Val Leu Asp
642 195 200 205
643 Ile Thr Glu Asp Ala Leu His Lys Arg Phe Leu Lys Gly Val Arg Asn
644 210 215
                                         220
645 Ile Ala Ser Val Cys Leu Gln Ile Gly Tyr Pro Thr Leu Ala Ser Ile
                           235
646 225 230
                                          . 240
647 Pro His Thr Ile Ile Asn Gly Tyr Lys Arg Val Leu Ala Val Thr Val
          245
                                 250
649 Glu Thr Asp Tyr Thr Phe Pro Leu Ala Glu Lys Val Lys Ala Tyr Leu
650 260 265
651 Ala Asp Pro Thr Ala Phe Ala Val Ala Ala Pro Val Ala Ala Ala Thr
652 275 280
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1162 <223> OTHER INFORMATION: E-box, canntg
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DATE: 03/25/2004

TIME: 09:07:31

Input Set : D:\GLOF007USC1.txt Output Set: N:\CRF4\03252004\J605708.raw 1167 <223> OTHER INFORMATION: E-box, canntg 1169 <220> FEATURE: 1170 <221> NAME/KEY: enhancer 1171 <222> LOCATION: (523)..(532) 1172 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1174 <220> FEATURE: 1175 <221> NAME/KEY: enhancer 1176 <222> LOCATION: (606)..(615) 1177 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1179 <220> FEATURE: 1180 <221> NAME/KEY: enhancer 1181 <222> LOCATION: (697)..(706) 1182 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1184 <220> FEATURE: 1185 <221> NAME/KEY: enhancer 1186 <222> LOCATION: (1490)..(1499) 1187 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1189 <220> FEATURE: 1190 <221> NAME/KEY: enhancer 1191 <222> LOCATION: (1640)..(1649) 1192 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1194 <220> FEATURE: 1195 <221> NAME/KEY: enhancer 1196 <222> LOCATION: (1956)..(1965) 1197 <223> OTHER INFORMATION: Potential MEF2 binding site, yta(w)4tar 1199 <220> FEATURE: 1200 <223> OTHER INFORMATION: Transcription start site at residue 2012 1202 <220> FEATURE: -> 1203 <221> NAME/KEY: primer bind 1204 <222> LOCATION: (2032)...(2054) 1205 <223> OTHER INFORMATION: M2 1207 <220> FEATURE: -> 1208 <221> NAME/KEY: misc difference 1209 <222> LOCATION: (2027)..(2054) 1210 <223> OTHER INFORMATION: Identical to the 5' MLC2f cDNA -> 1<u>211</u> (409>)22 7-1212 tgcatgcctg gcaggtccac tctagaggac tactagtcat atgcgattct gaacaatgct 60 1213 ggaatgagee accaacteat ceagtgtatt accetacact gggaaacace caaatetgte 120 1214 tgttatattt gtgcatatac attagattag aagctgtcac tgcggtggta ccttttcaaa 180 -> 1215 ttgatacete aaaagtatat attagtgeet tttaggtact aatatatace ettgaggttt, 240--> 1216 teatttggaa aggtaceace ceagtgacag aaatetggag ettatttaac aaaataactt 300 -> 1217 tatttatatg ttattgaaaa atattaaata agcaaaacaa tggaaaaaaa ttagttcaaa 360 -> 1218 atttagettt atttaaattg ttttatettt aatatagetg tttaataaat etgttttgtt 420. -> 1219 actgagagat ggagaaaaat attcattttc ctgtaattat ctgtttttct aggtactgta 480 -> 1220 caagcaggag caaaacaagc cgacagactc gggaatgcac aacaaactca aggggggcaa 540 -> 1221 gagagcaagg agegeteaag attgtttage etgeetteee aaaaaaaaae tgtettaage 600 -> 1222 caaccaetca gagggetgta gtgtgetgae egtgettgte cacagggeag etteccaeaa 660 -> 1223 gtgaggtcat aggtcgatcg gcagagagag atgggcatgg ccatgtggac gggtgtggtg 720 -> 1224 actatactag gaaaagcatt aaaacctatt aagacaccag aacgteetet tatatateag 780,

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/605,708

RAW SEQUENCE LISTING

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Input Set : D:\GLOF007USC1.txt

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7.7	1005							~ ~ `
	1225						agataagcca	
W>	1226						aacagtccct	
W>	1227	gtggacagct	tgaattcaat	tegecacaga	ttttatgcag	cggatgccca	tecagttgca	960
M>	1228	ttttaaatta	atatttttaa	taggaagcta	tcagtacact	ctcagaaata	aatggtccgc	1020 /
W>	1229 🔩	aggtacatat	ttgtacttaa	agggtccata	aaaaatttta	agagaaacac	ttttgtactt	1080 \
W>	1230	tattatggac	ctttaaggta	caaatttta	ctcacgccct	ttatttctga	gagtgaagct	1140
W>	1231						aatcaagaga	
W>	1232						tattttaata	
W>	1233						actctaagca	
W>	1234						aaagaaagaa	
W>	1235						ttccttatgc	
W>	1236						ggggtaatta	
W>	1237						agtgctgaat	
W>	1238						aataagggtt	
-	1239						aaccctcccc	
	1240							
							aaattgagtt	
M>		tacgtcccca	tgtccttatt	agacaacgcg	agacatgcag	gccgctgcca	tcagtatcag	1800
W>	1242	attcatccca	ttccaagact	ccaatagcta	tttctgagca	ctgtäagatg	atagtacatc	1860
W>	1243	ccagccggtg	tccctccatc	actttcccc	tacctcatag	tttttcctct	ttctctctcg	1920
W>	1244	gtctgctatt	tcccaaacct	cacttaaggt	tgggtctata	attagcaagg	ggccttcgtc	1980 (
W>	1245						tcttgatctt	
W>	1246	ottagacttc				ο,		•
~ Y=>	1250 <400>	SEQUENCE:	and the second					
4.1	1050						The same of the sa	

Tok,
This is
due to
above
error
on previous
page

1250 <210> SEQ ID NO: 23

VARIABLE LOCATION SUMMARY

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se of n's or Xaa's (NEW RULES): se of n's and/or Xaa's have been detected in the Sequence Listing. se of <220> to <223> is MANDATORY if n's or Yaa's are present.

1 <220> to <223> section, please explain location of n or Xaa, and which esidue n or Xaa represents.

eq#:17; N Pos. 10

Page 10

<211> 10 <212> DNA	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence:	
Oligonucleotide for linker used in linker-mediated PCR	
Oligonucleotide for linker used in linker-mediated PCR (2202 Pleuse insert (222) to Show N" location (223) n is a dideoxycytidine	0 Λ.
<2202 PICASE INSERT CASONS TO SHOW	
<223> n is a dideoxycytidine	
<400> 17	
gaattcaagn 10 / o	
a prime explanation on	
please see error explanation on	
C Dica	
2269	
pase 9.	

VERIFICATION SUMMARY

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Input Set : D:\GLOF007USC1.txt

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```
:13 M:270 C: Current Application Number differs, Replaced Application Number
:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
:31 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
:36 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
:41 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
:52 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:56 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:60 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:65 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:67 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:71 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:73 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
:75 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:77 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:79 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:83 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:87 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:91 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:95 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:97 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:12
:99 M:336 W: 'Invalid Amino Acid Number in Coding Region, SEQ ID:1
:103 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:105 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:107 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:109 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS: Ł
:111 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:115 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:117 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
:119 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:123 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:125 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:127 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:129 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:130 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
:131 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:133 M:320 نوع (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:36
:134 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:2
:135 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:137 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:139 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:141 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:14
:142 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
:143 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:145 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:147 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:151 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
:153 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
:154 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:3
```

3/25/04

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Input Set : D:\GLOF007USC1.txt

```
155 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
159 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
163 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
167 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
171 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
300 M:252 E: No. of Seq. differs, <211> LENGTH:Input:498 Found:484 SEQ:21
313 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
318 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
508 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
513 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
606 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
616 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:6 differs:2
665 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
669 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
724 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
728 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
733 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
771 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
850 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
855 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
873 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
891 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
896 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
927 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
932 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
966 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:17
966 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:17
966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
1005 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
1010 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
1015 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
1019 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
1068 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
1136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
1203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
1208 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
1211 M:250 E: Invalid Numeric Identifier, INVALID IDENTIFIER V
1215 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1216 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1217 M:259 W: Allowed number of lines exceeded; <223> Other Information:
1218 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1219 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1220 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1221 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1222 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1223 M:259 W: Allowed number of lines exceeded, <223> Other Information:
1224 M:259 W: Allowed number of lines exceeded, <223> Other Information:
```

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Input Set : D:\GLOF007USC1.txt

```
225 M:259 W: Allowed number of lines exceeded, <223> Other Information:
226 M:259 W: Allowed number of lines exceeded, <223> Other Information:
27 M:259 W: Allowed number of lines exceeded, <223> Other Information:
28 M:259 W: Allowed number of lines exceeded, <223> Other Information:
229 M:259 W: Allowed number of lines exceeded, <223> Other Information:
230 M:259 W: Allowed number of lines exceeded, <223> Other Information:
231 M:259 W: Allowed number of lines exceeded, <223> Other Information:
132 M: 259 W: Allowed number of lines exceeded, <223> Other Information:
233 M:259 W: Allowed number of lines exceeded, <223> Other Information:
234 M:259 W: Allowed number of lines exceeded, <223> Other Information:
235 M:259 W: Allowed number of lines exceeded, <223> Other Information:
236 M:259 W: Allowed number of lines exceeded, <223> Other Information:
237 M:259 W: Allowed number of lines exceeded, <223> Other Information:
238 M:259 W: Allowed number of lines exceeded, <223> Other Information:
239 M:259 W: Allowed number of lines exceeded, <223> Other Information:
240 M:259 W: Allowed number of lines exceeded, <223> Other Information:
241 M:259 W: Allowed number of lines exceeded, <223> Other Information:
242 M:259 W: Allowed number of lines exceeded, <223> Other Information:
243 M:259 W: Allowed number of lines exceeded, <223> Other Information:
244 M:259 W: Allowed number of lines exceeded, <223> Other Information:
245 M:259 W: Allowed number of lines exceeded, <223> Other Information:
246 M:259 W: Allowed number of lines exceeded, <223> Other Information:
250 M:200 E: Mandatory Header Field missing, <400> is required.
250 M:301 E: (44) No Sequence Data was Shown, SEQ ID:22
250 M:252 E: No. of Seq. differs, <211> LENGTH: Input:2054 Found: 0 SEQ:22
250 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO:23
7 M:203 P No. of Seq. differs, <160> Number Of Sequences:Input (24) Counted (23)
```